Digital Video + Audio Signal to TV Channel Modulator User Manual

ITEM NO.: 15-TV06S

Feature

- Output Channel Tunable from to CH14~69 (NTSC, TV), CH21~69 (PAL, TV), CH65~135 (NTSC, CATV) (excluding CH 95~99),CH57~106 (PAL, CATV).
- Last channel memory.
- Easy Push button channel up/down operation.
- High quality picture.
- Full 90dBμV output.
- Compact size comply to CCD camera metal housing.

Specification

► RF

Output Frequency Range: 470-863MHZ
Output Channels
TV/ UHF: CH14~ CH69 (NTSC),
CH21~69 (PAL, TV)
CATV: CH65~135, (NTSC, excluding
CH95 ~CH99), CH57~106 (PAL).

Output Level: 90dBμV min.
Output Impedance: 75Ω
Visual Accuracy: ±5kHz @ -20ºC~+50ºC
Aural Accuracy: ±5kHz @ -20ºC~+50ºC
Visual/Aural Carrier Ratio: 15 ± 1dB (Preset)

► Video

Input Level: 0.7Vp-p ~1.2Vp-p
Input Impedance: 75Ω
S/N Ratio: -55 dB Typical
Frequency Response: ±2.0dB

Hum and Noise: -55dB@87.5% Depth
Differential Gain: <5%
Differential Phase: <5º

► Audio

Frequency Range: 50Hz to 50KHz
Input Level: 0.5Vp-p
Frequency Response: ±2.0dB
Input Impedance: 10KΩ(unbalanced)
Dimension: 75(D) x 64(W) x 25 (H) mm

Weight: 140g
Power Requirement: 9VDC~ 12VDC (300mA)
Power Adapter: 110V~120VAC/ 60Hz or 220~ 230VAC/50Hz

► Accessories

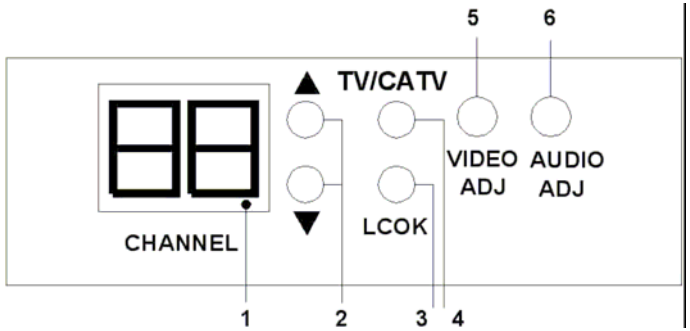
Adapter DC12V x 1
F connector cable x 1
Modulator x 1

► Optional

5MHz-1000MHZ 2 way splitter
5MHz-1000MHZ 3 way splitter
5MHz-1000MHZ 4 way splitter

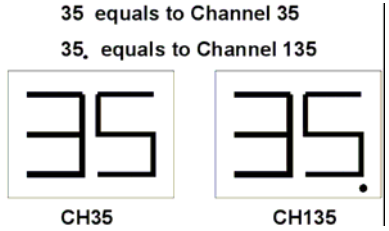
BNC TO F-male adapter
CCD camera metal housing.

Operation Controls and Functions



Front Panel

1. **LED Channel Indicator**
   When the dot lights show on the beside of channel , the means that the real channel should be plus 100 . For example , " 35 . " is equal to the channel 135



2. Channel "▲" "▼"

   Push "▲" to select channel up, push "▼" to select channel down.

3. Lock

When the button be pressed , the display will show “L” and thechannel selection up “▲” and down “▼” and TV/CATV exchangedwill be locked ,but when press the lock button again , the abovefunctions can be work again.

4. TV/ CATV

When press this button ,the display will show two mode as follows:.“02” it is TV mode .The channel display will show from “14” ~ “69”“01 “ it is CATV mode. The Channel display will show from “65” ~“135”

5. Video ADJ

Video input level can be adjusted. When user adjust it , user can see the bright or dark picture at TV screen.

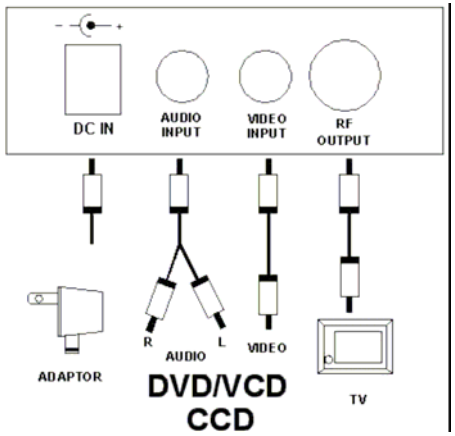
※ The function has already properly set-up at factory. Please do not adjust if it is not necessary.

6. Audio ADJ

Audio input level can be adjusted. When user adjust it , it can tell the louder and quite sound at TV speaker.

※ The function has already properly set-up at factory. Please do not adjust if it is not necessary.

Rear Panel



1. Power Input

DC 9 -12V

2. Video Input

Video input to the modulator

Video signal accepts at 0.8Vp-p ~1.4 Vp-p

3. Audio Input

Audio input to the modulator.

Audio signal accepts at 20Hz – 50KHz at

0.5Vp-p – 1.0 Vp-p

4. RF Output

RF Output to TV connection and installation

1. Insert the video male RCA connector from the video source into the Modulator Video in jack.

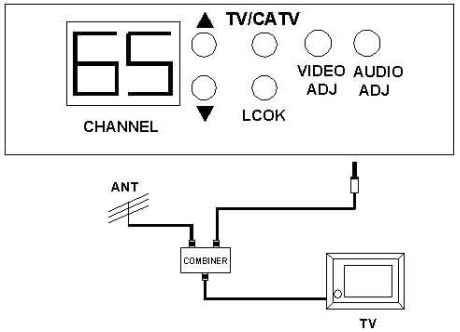
2. Insert the audio male RCA connector from the audio source into the Modulator Audio in jack.

3. Connect modulator RF output to TV input with F to F connection Cable.

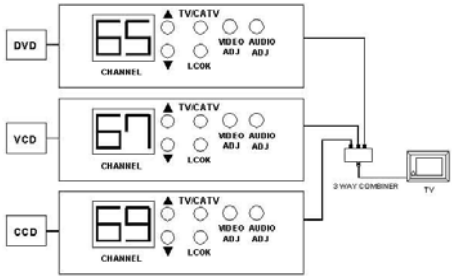
4. Plug the provided 9 Vdc power supply into the AC outlet and Modulator power jack.

Application :

1. Normal modulator application connection



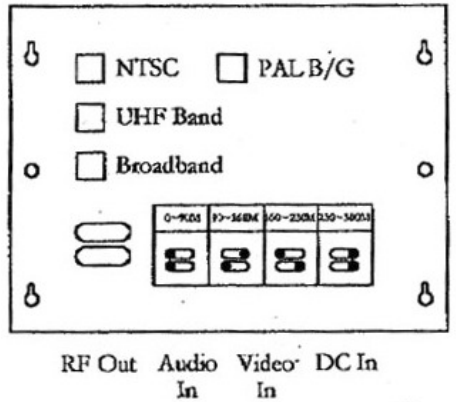
2. Multi-Modulator connection:



3. 15-TV06S Bottom switch setup define:

Refer the bellow figure

5. Set the channel to meet systems request .



Follow the mark set the switch pos.

It has four kind distance

1. 0~90M
2. 90~160M
3. 160~230M
4. 230~300M